

- Fig 1

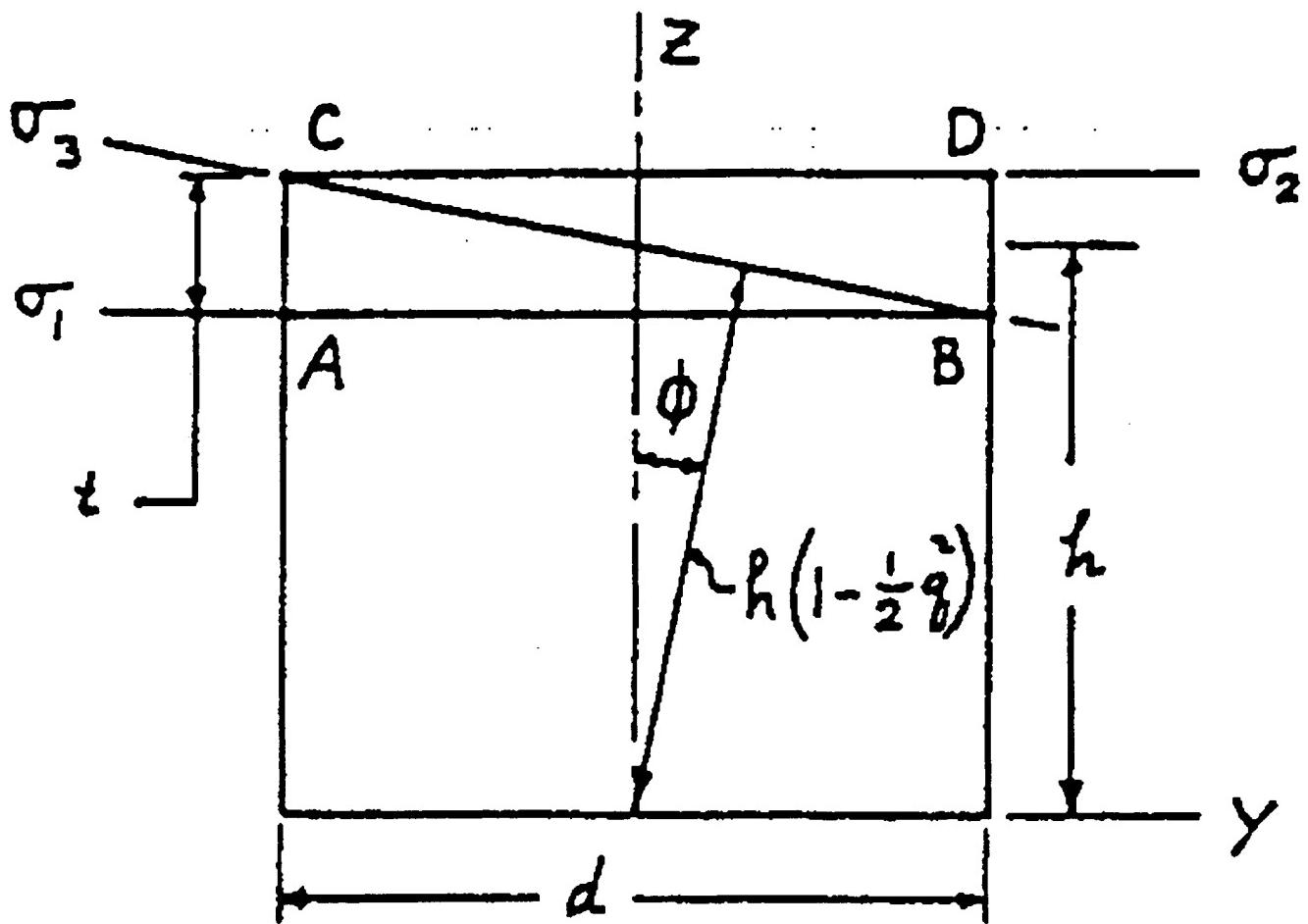


Fig 2

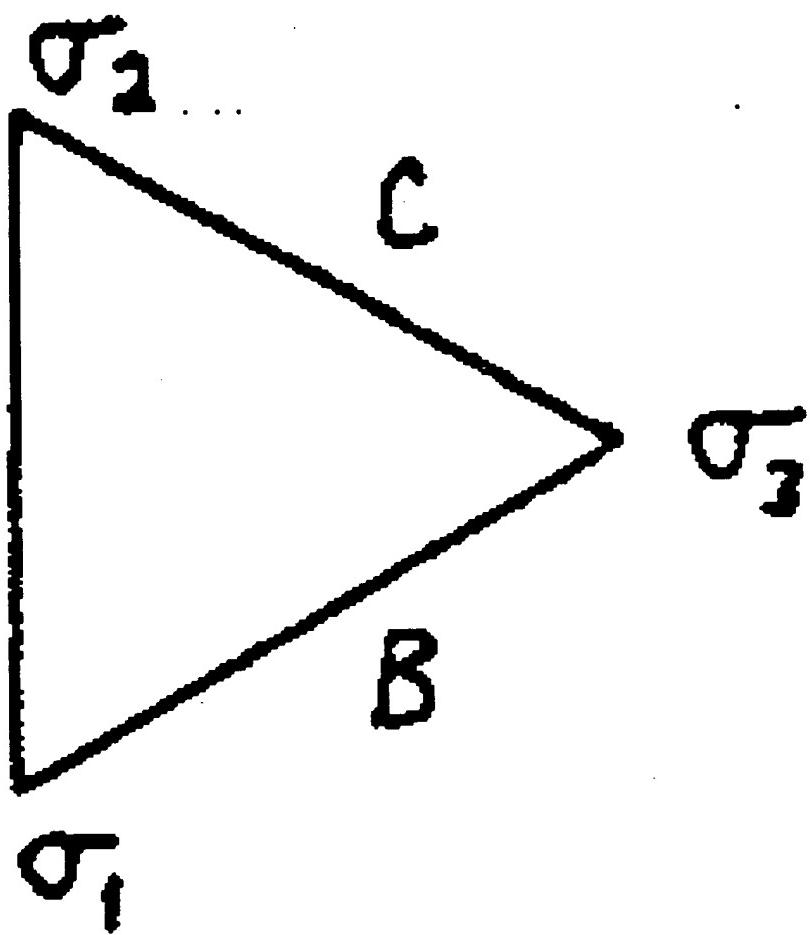
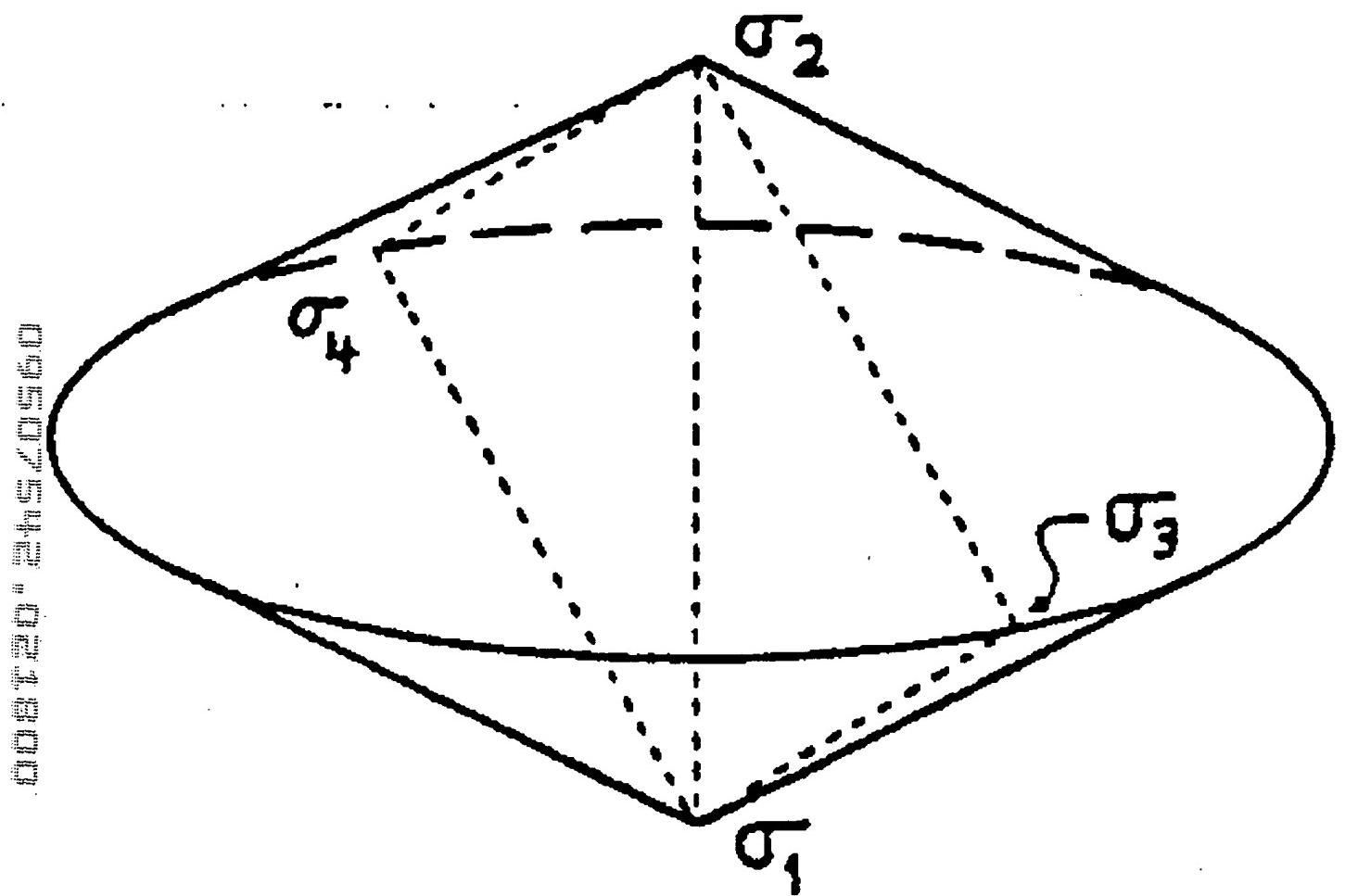


Fig 3



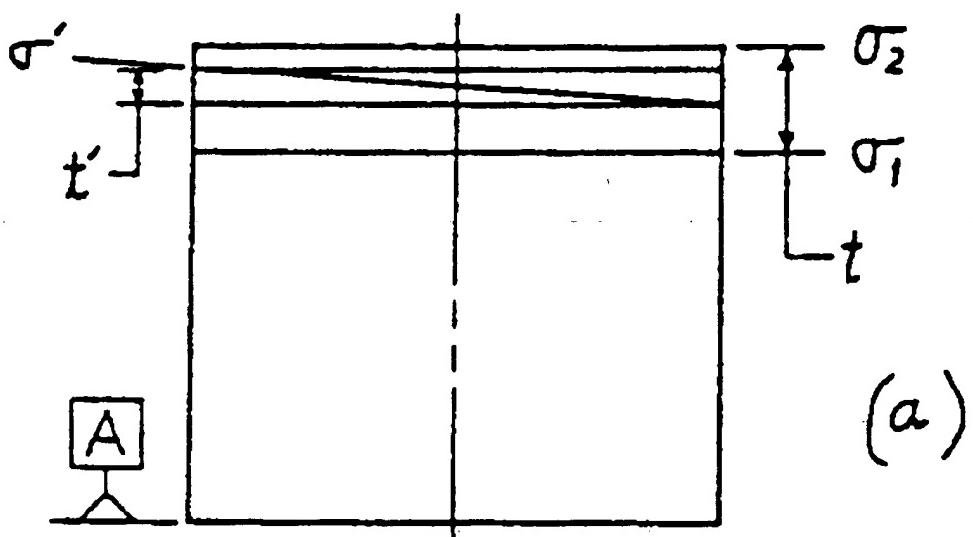


Fig 4a

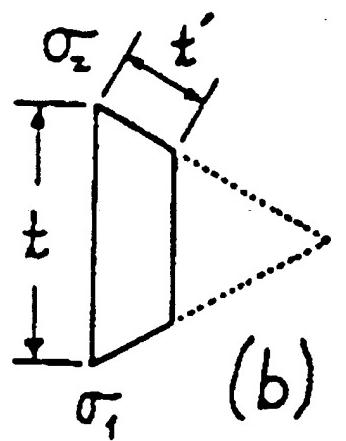


Fig 4b

Fig 5a Fig 5b Fig 5c

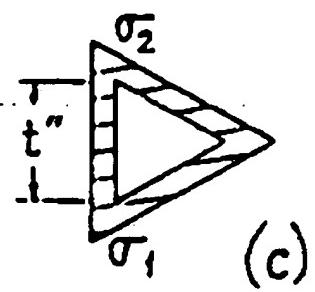
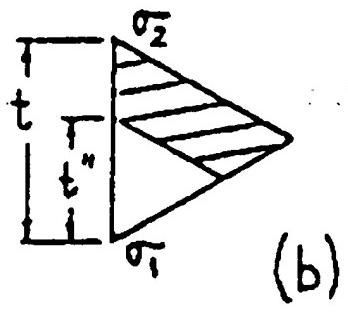
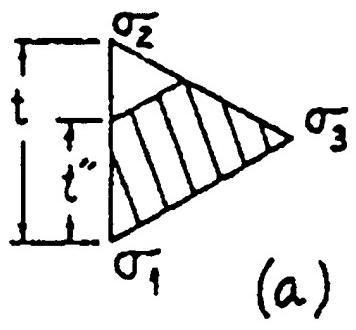


Fig 5a

Fig 5b

Fig 5c

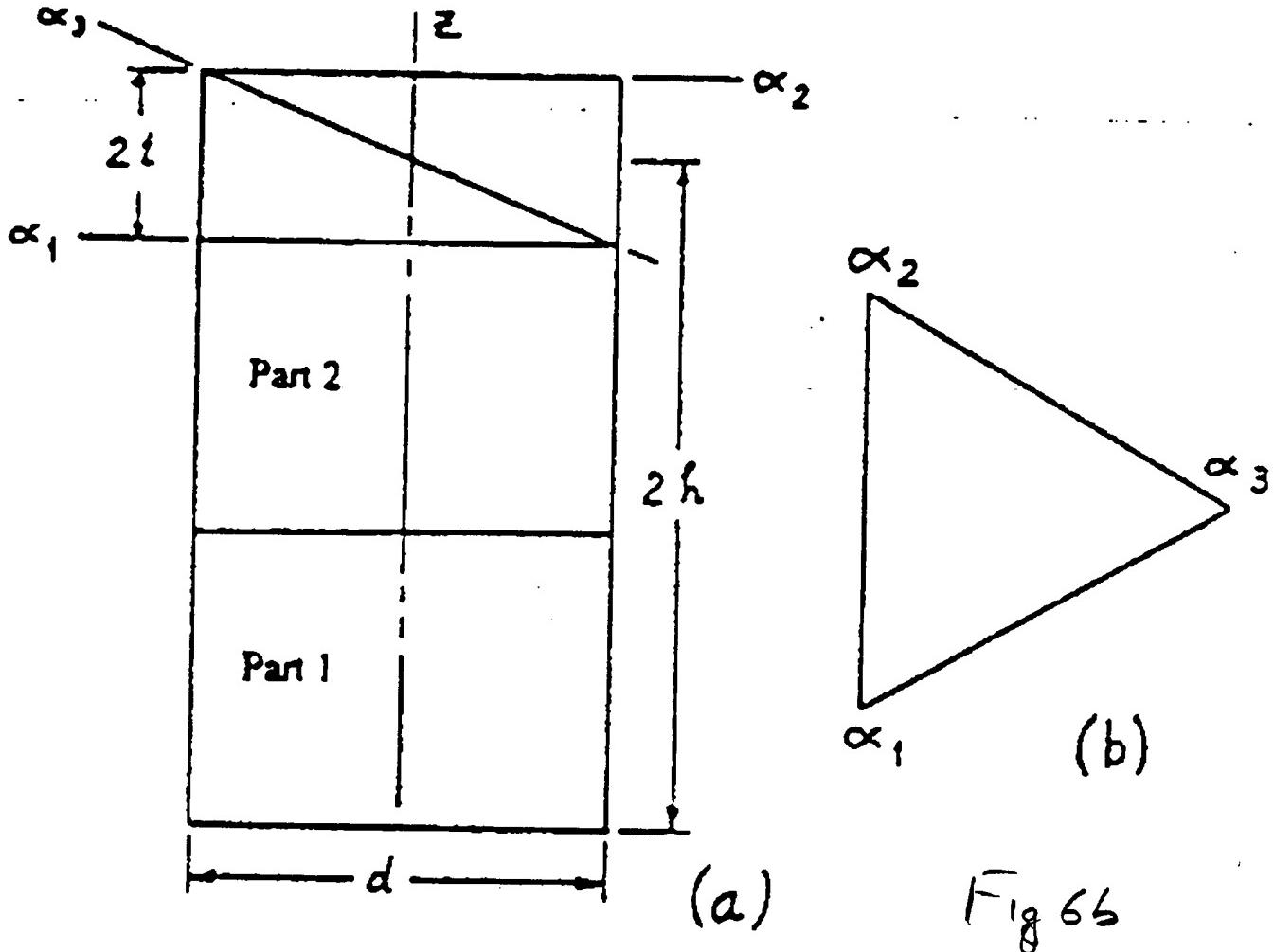


Fig 6a

Fig 6b

Fig 7

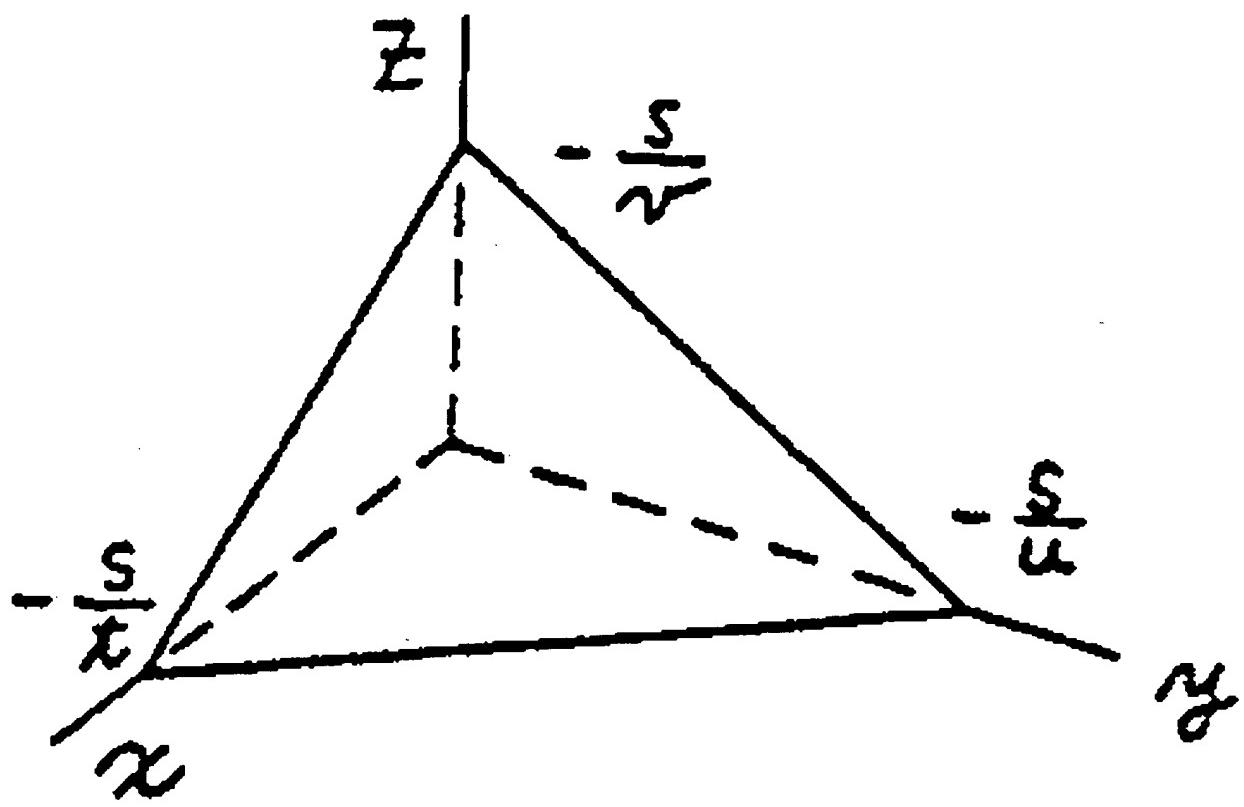


Fig 8

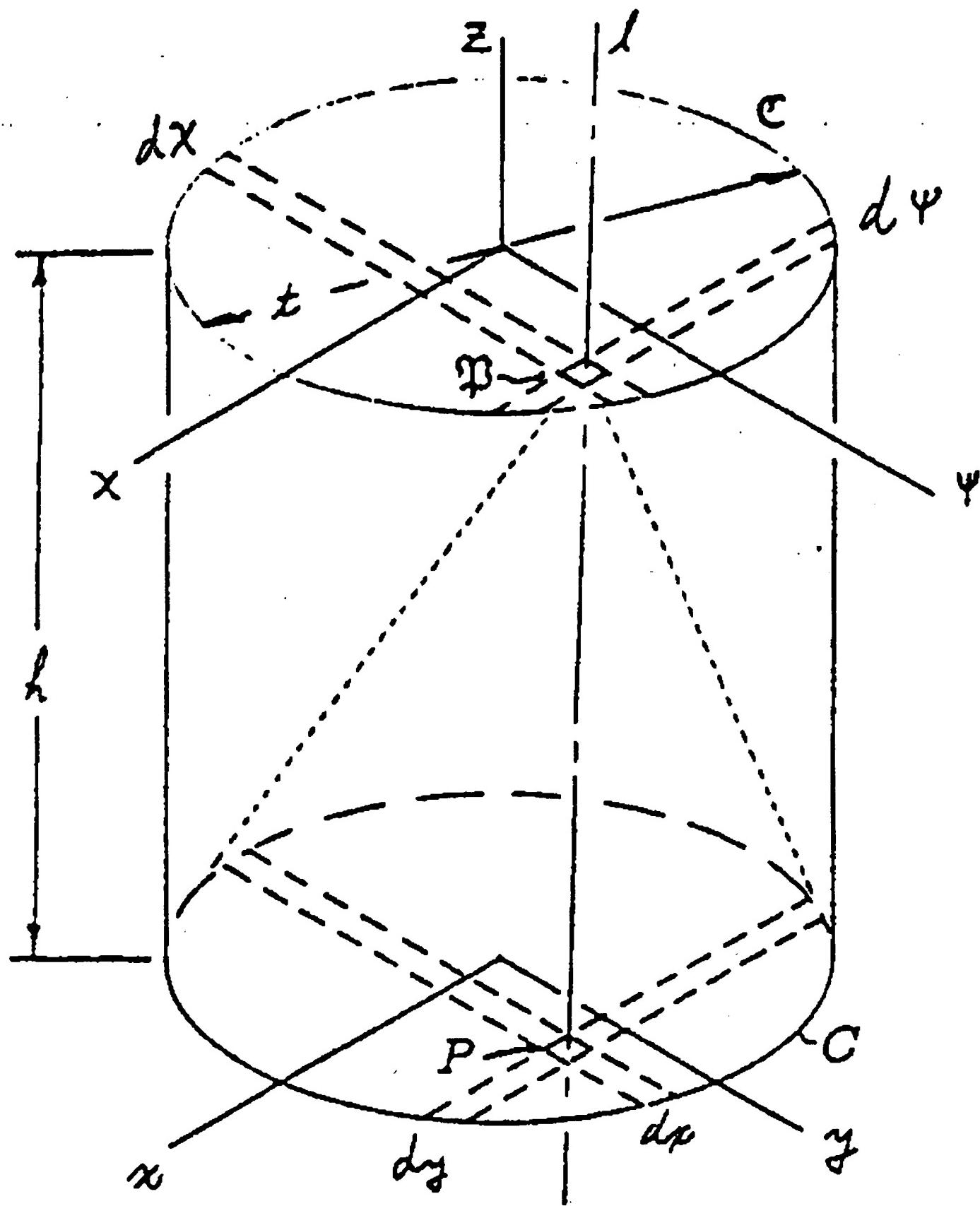


Fig 9

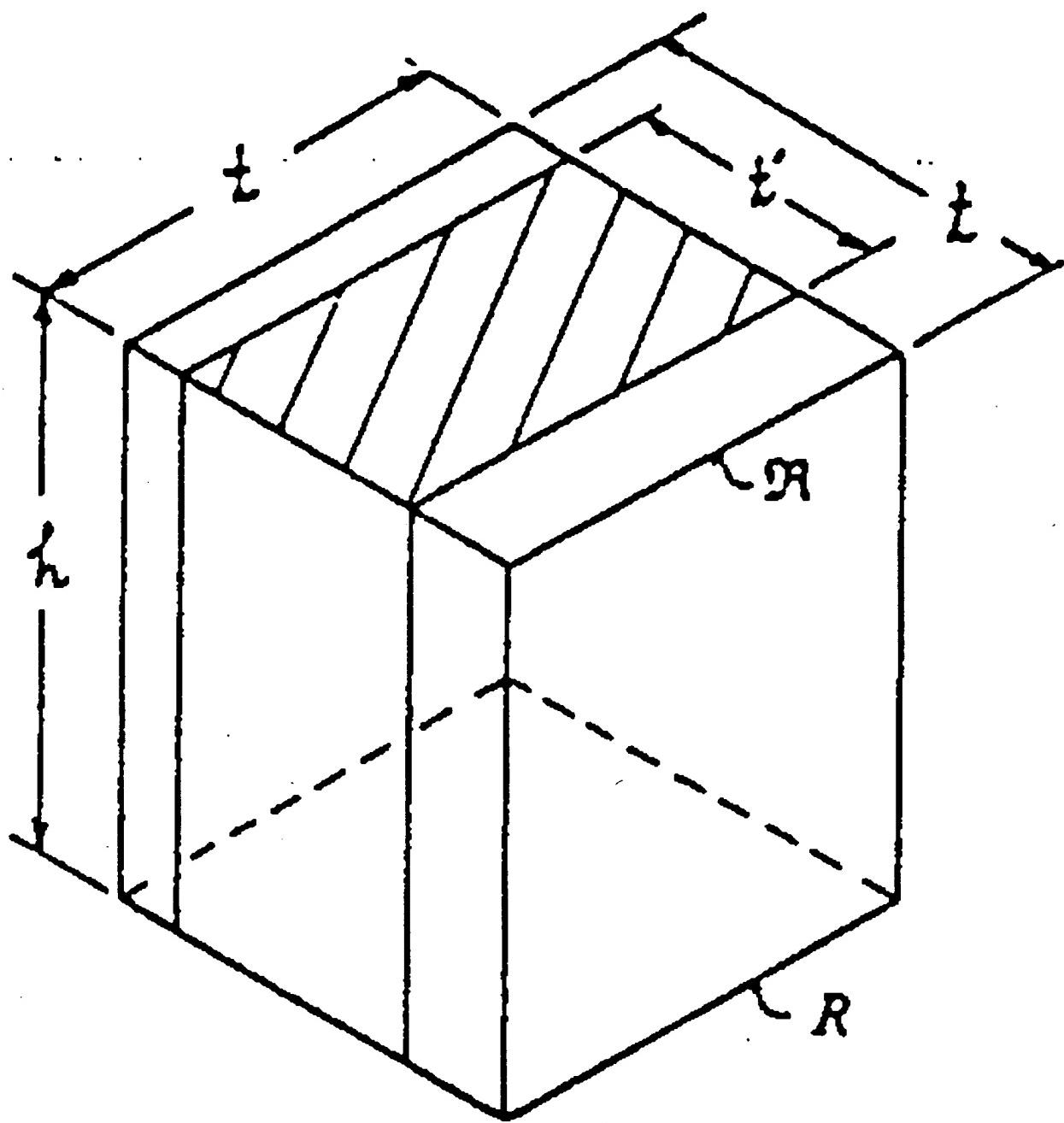


Fig 10

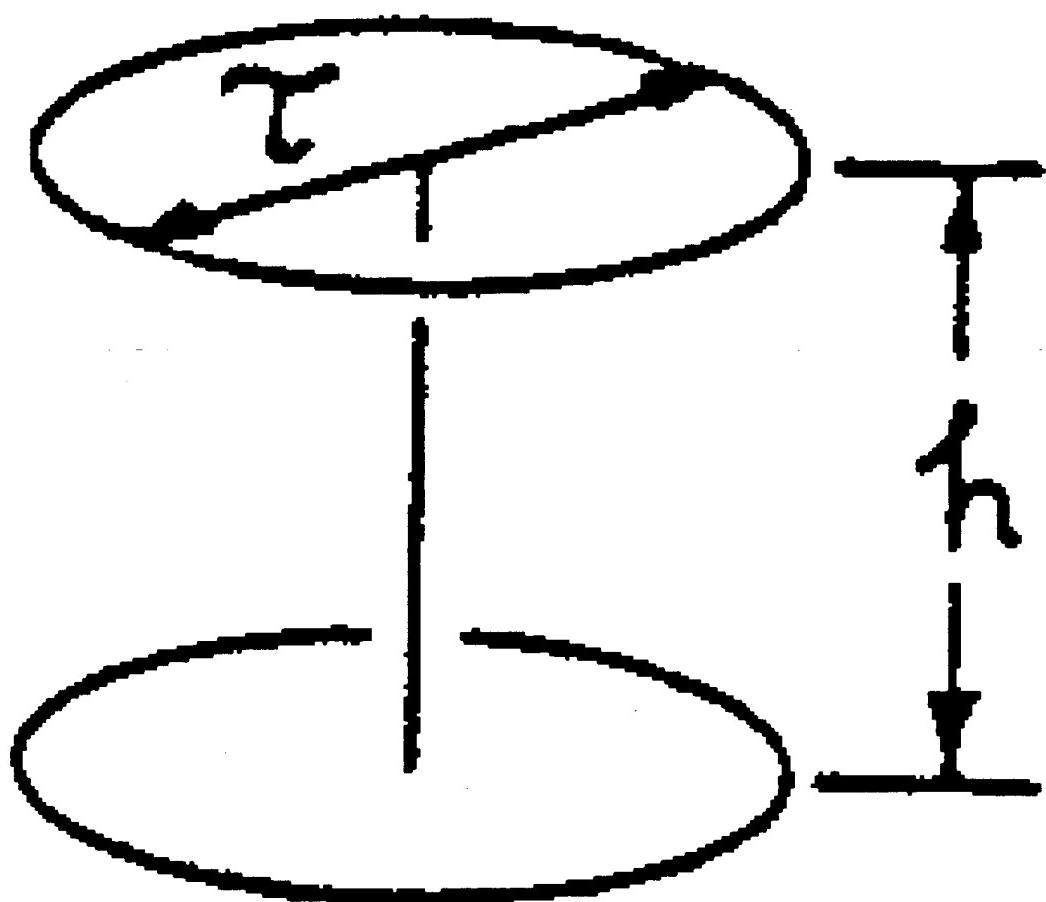


Fig 11

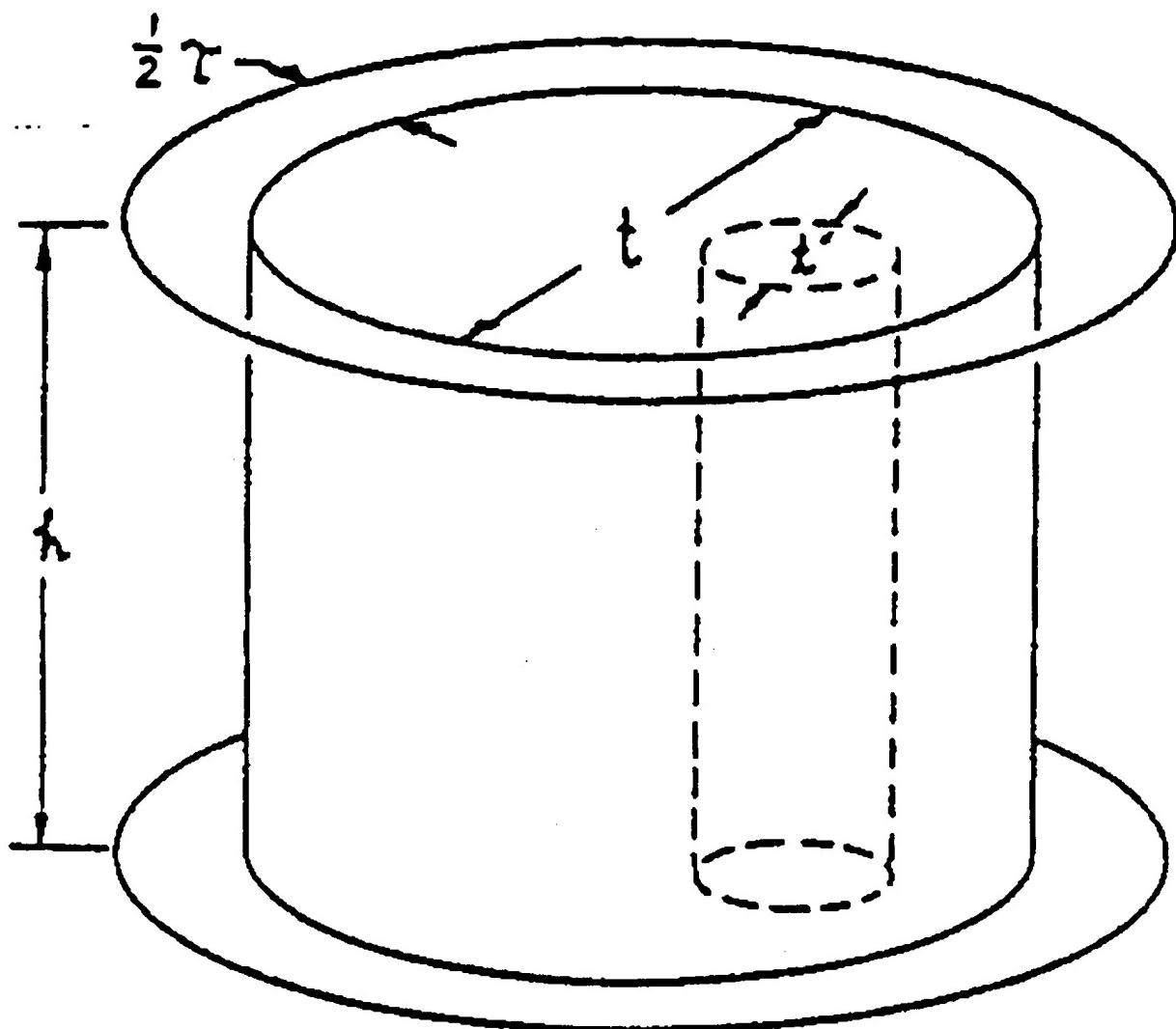


Fig 12a

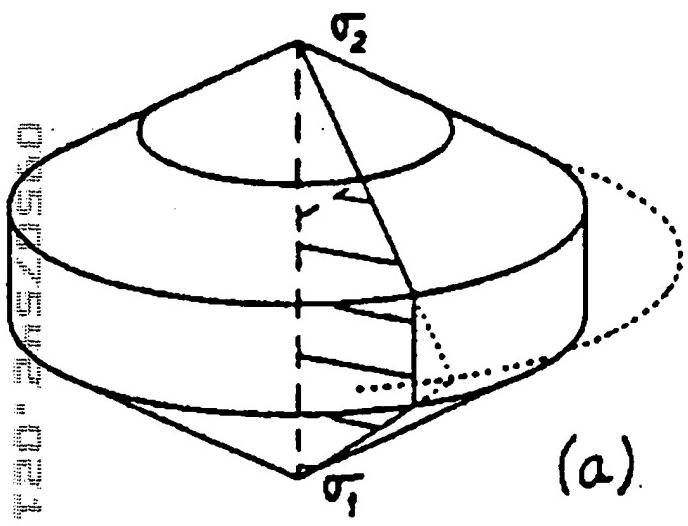
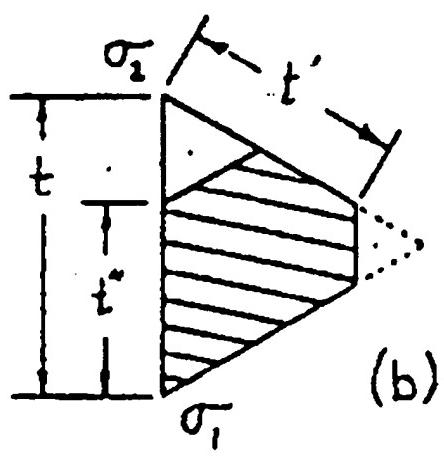


Fig 12b



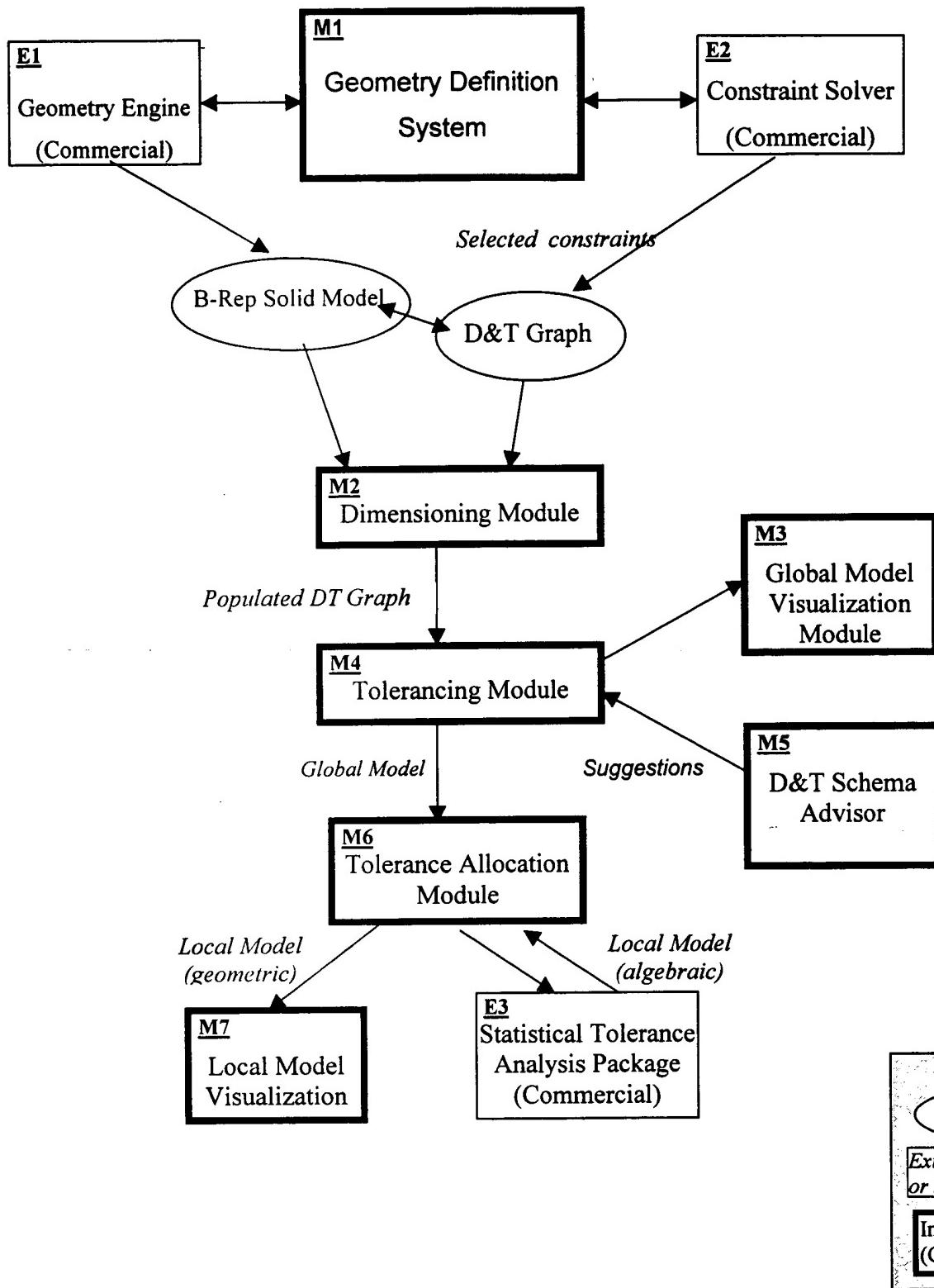
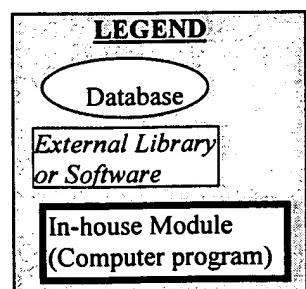


Figure 13 System Architecture



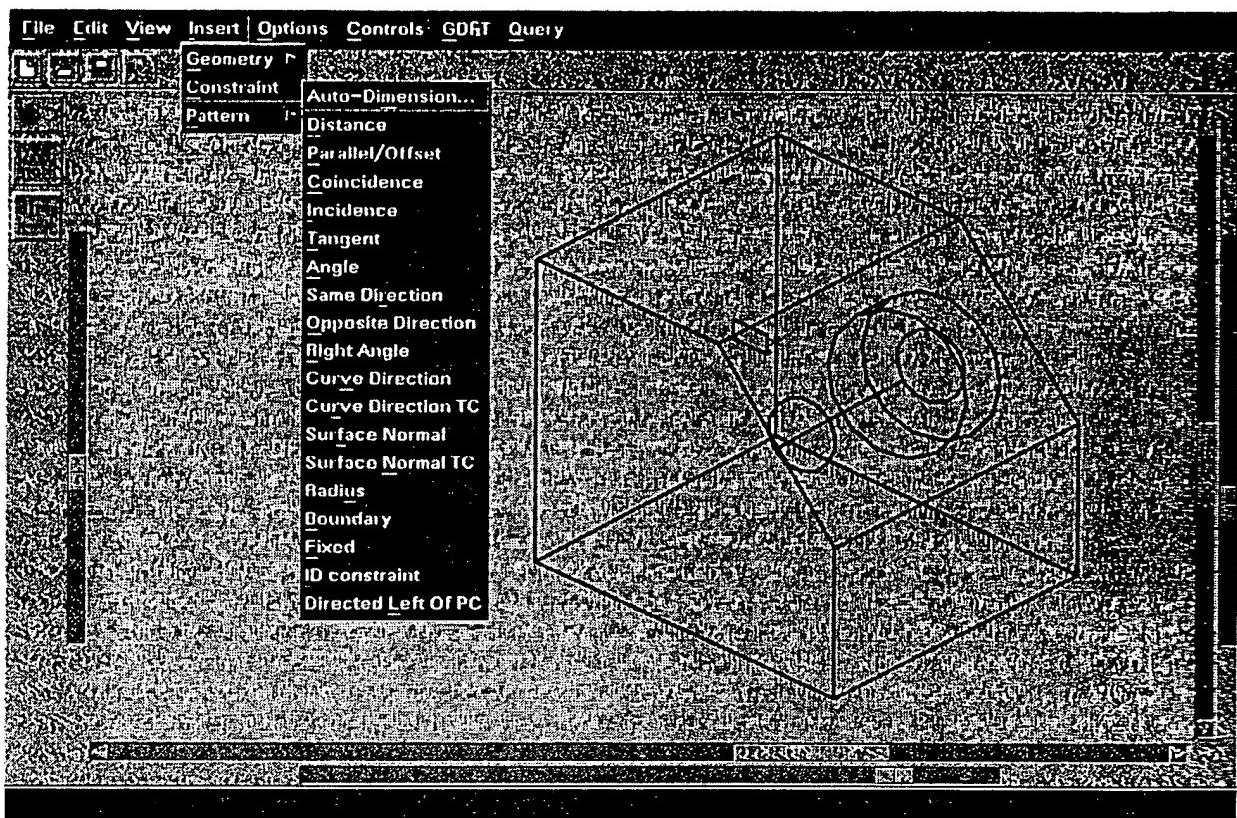


Figure 14

09502542 • 026380

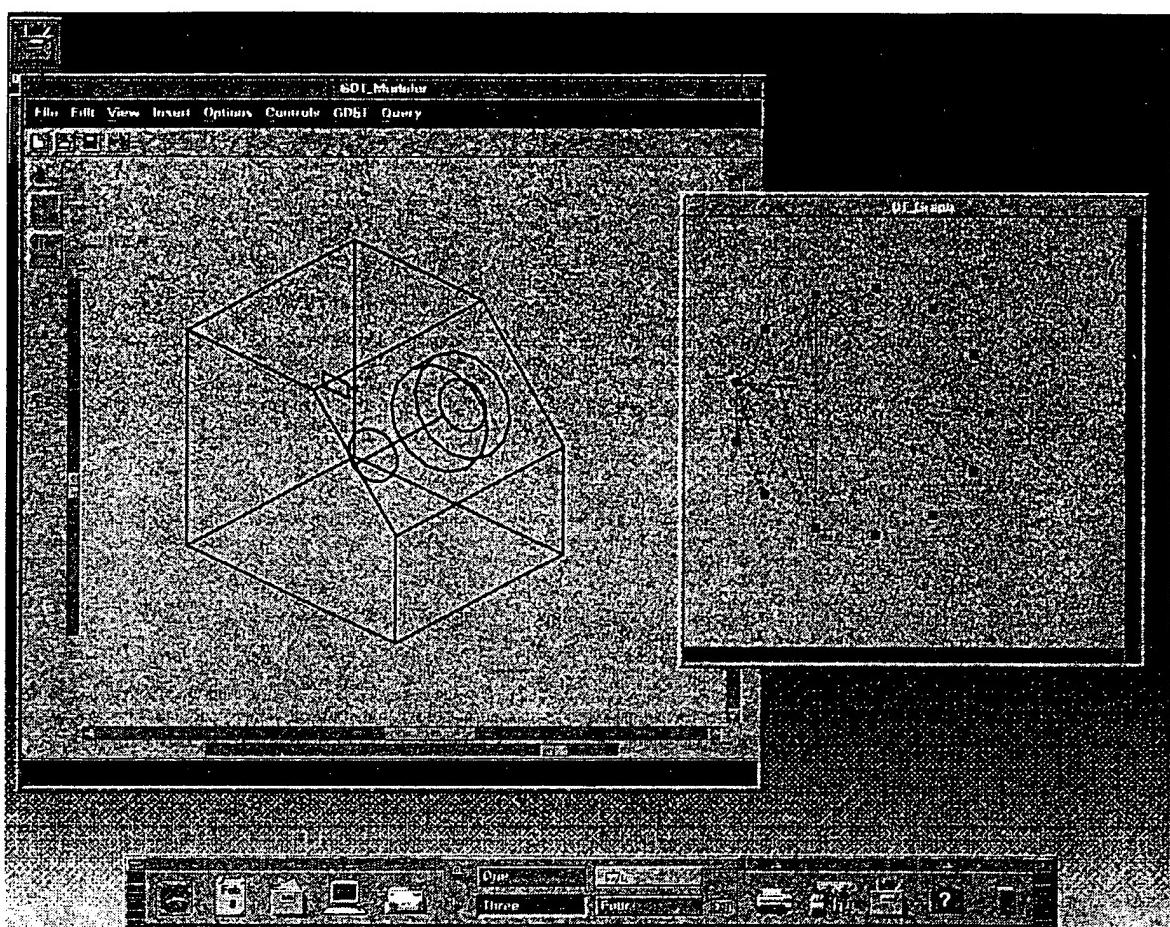


Figure 15

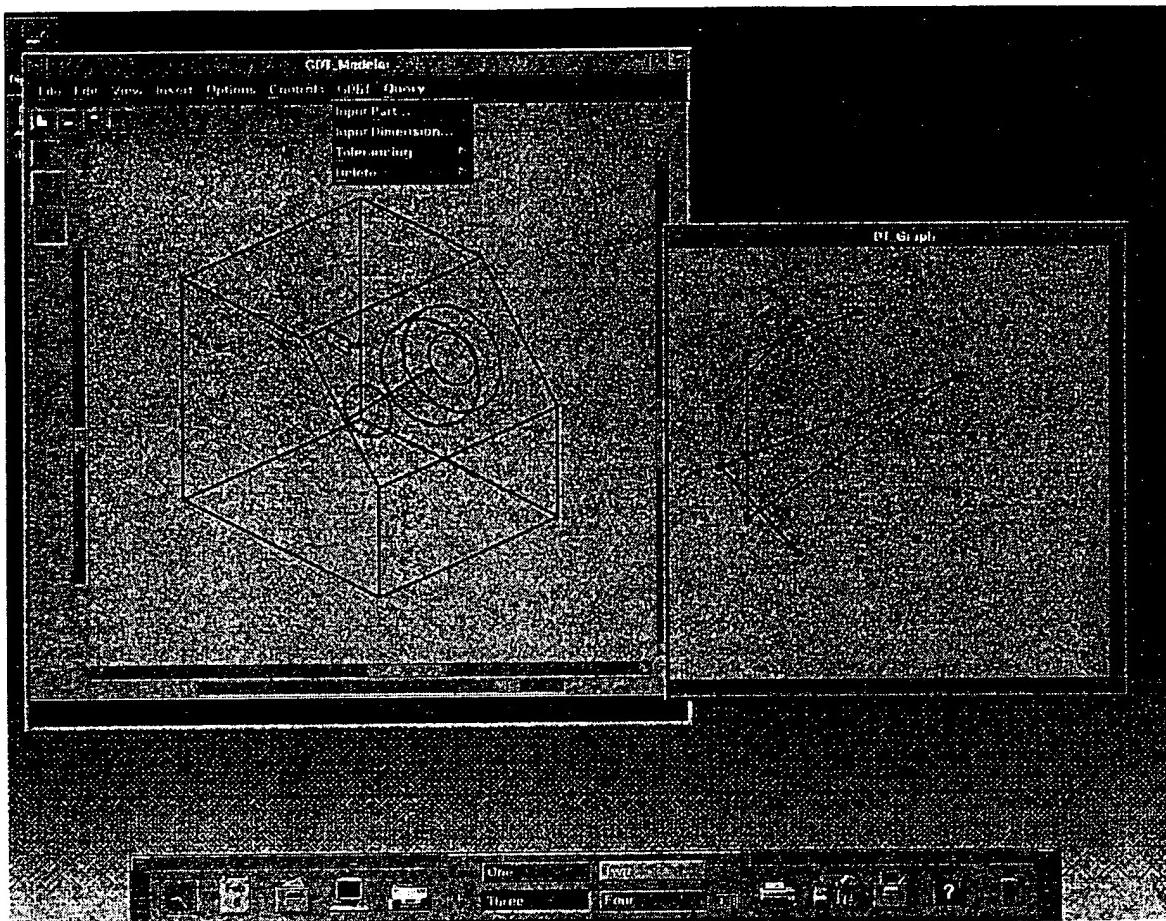


Figure 16

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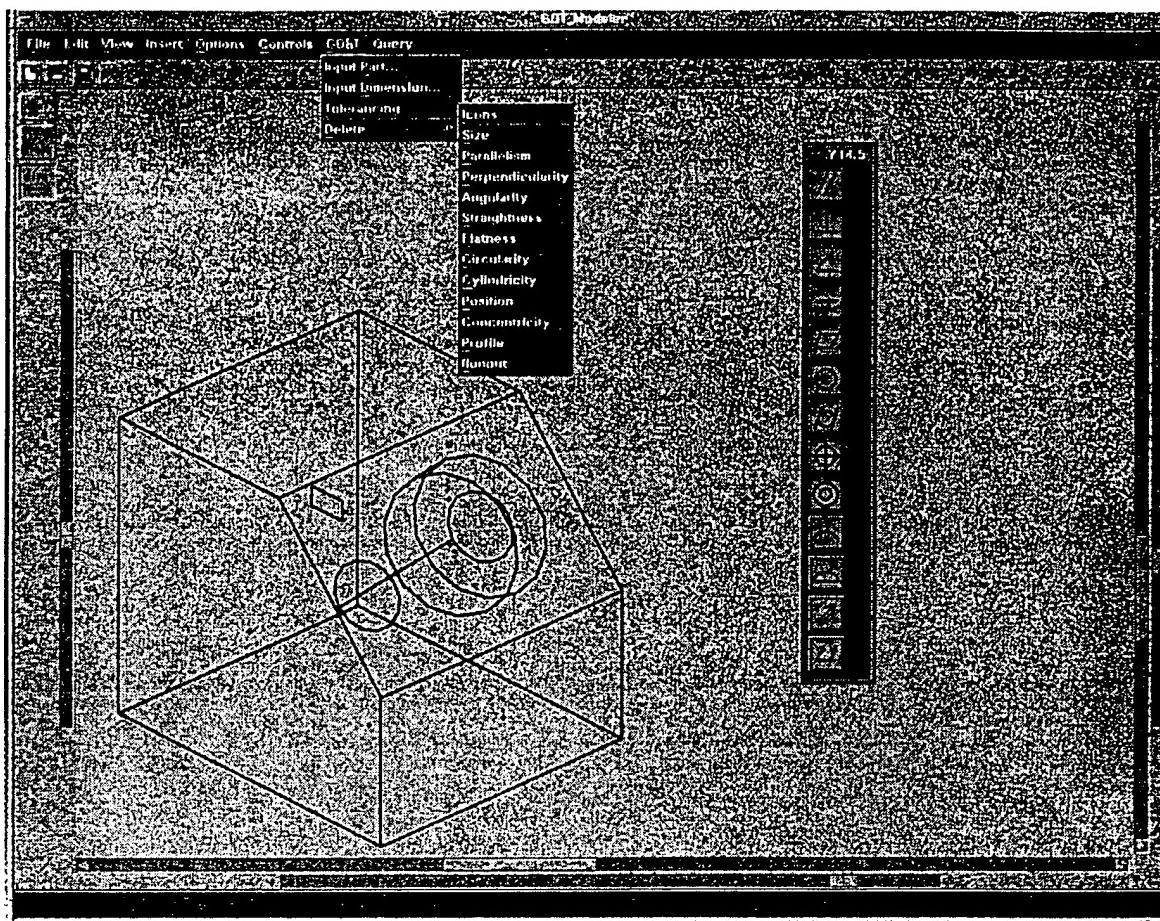


Figure 17

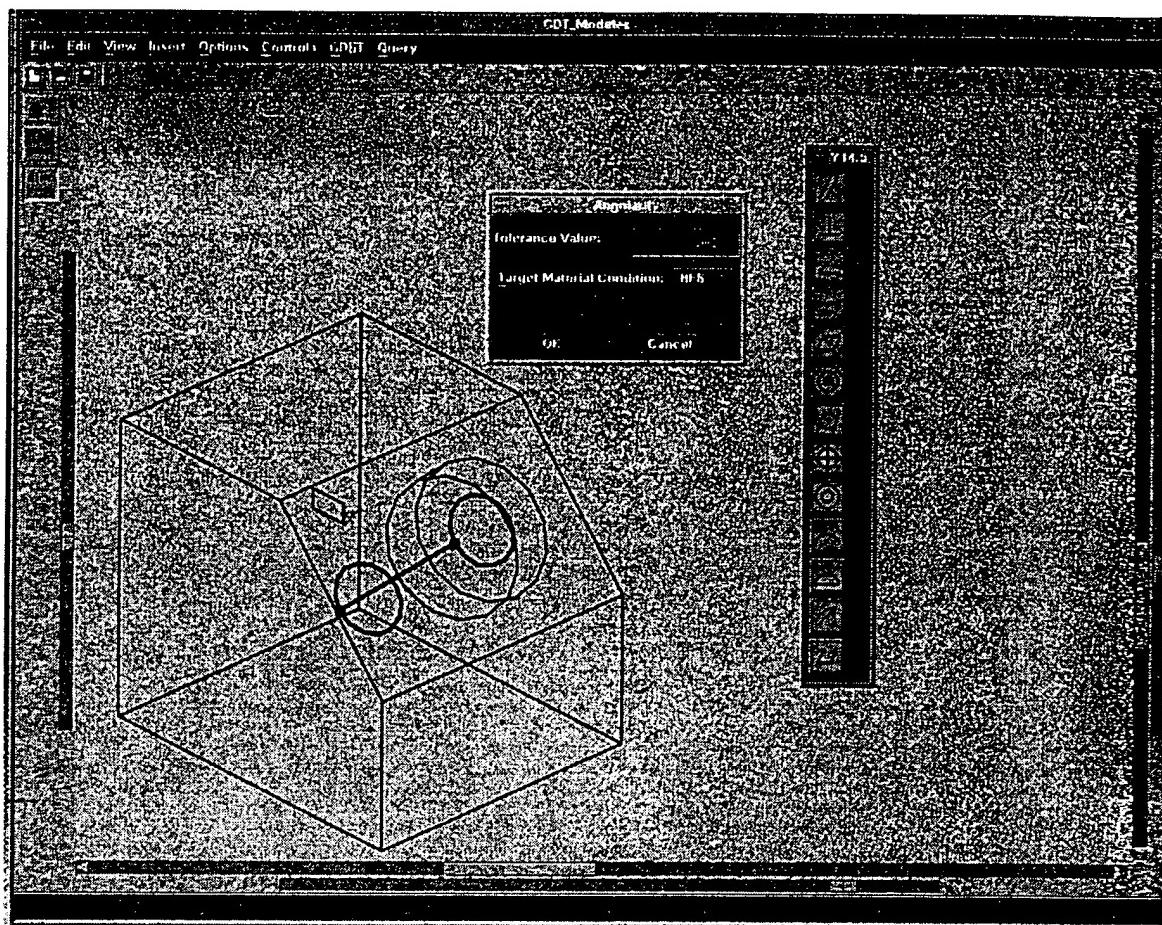


Figure 18

```
Window Edit Options Help

Selected entity: 7-face
Target entity is in ent-name-map.
Tolerance created!
Selected entity: 7-face
Target entity is in ent-name-map.
datum entity is in ent-name-map.
The mat_cond should not exist for the datum . It is ignored .
The angle between the two entities = 90
Tolerance created!

=====
Adviser:
Apply a flatness tolerance to the datum (3-face) to minimize
rocking during inspection.
=====
```

Figure 19

```
Window Edit Options Help

The following are data of tolerance attribute :perpendicularity
Tolerance value = 0.5
fea_data_id = 7-face
fea_type = part
face_id = 7-face
face_type = part:planar
datum_id = dat
datum_type = plane
partnum = partnum
This entity name = 7-face
This entity type = plane
mat_cond_tgt =none
datum_name = 2-face
mat_cond_datum = none
The following are data of tolerance attribute :flatness
Tolerance value = 0.1
fea_data_id = 7-face
fea_type = part
face_id = 7-face
face_type = part:planar
datum_id = dat
datum_type = datumtype
partnum = partnum
This entity name = 7-face
This entity type = plane
The following are data of tolerance attribute :size
Tolerance value = 1
fea_data_id = 7-face
fea_type = part
face_id = 7-face
face_type = part:planar
datum_id = dat
datum_type = datumtype
partnum = partnum
This entity name = plane
This entity type = 7-face
Size tolerance type = angl
entity2_name = 9-face
entity3_type = plane
```

Figure 20

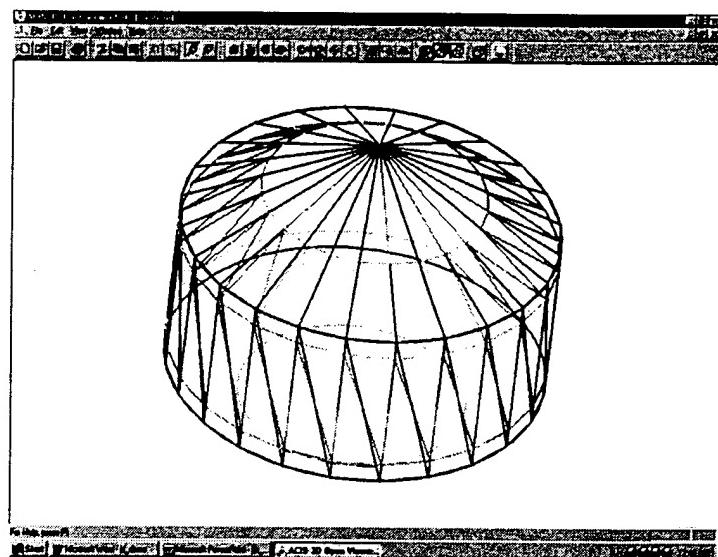
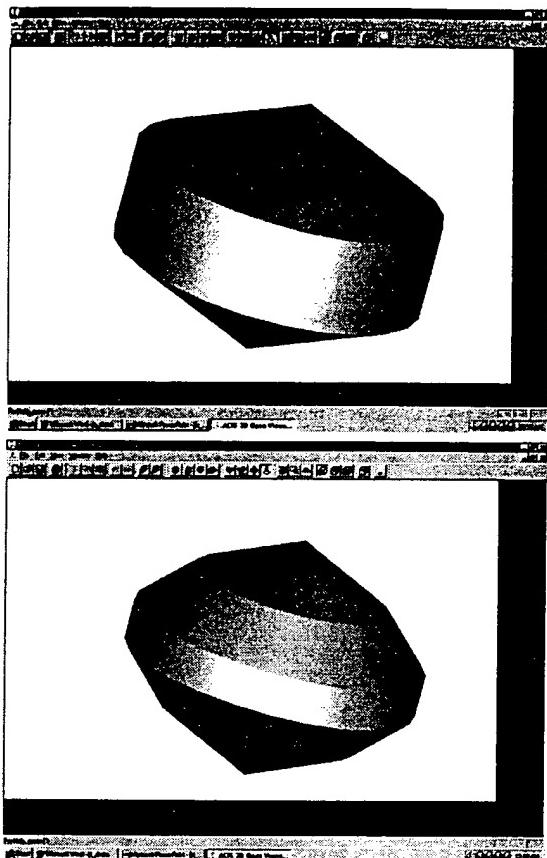


Figure 21

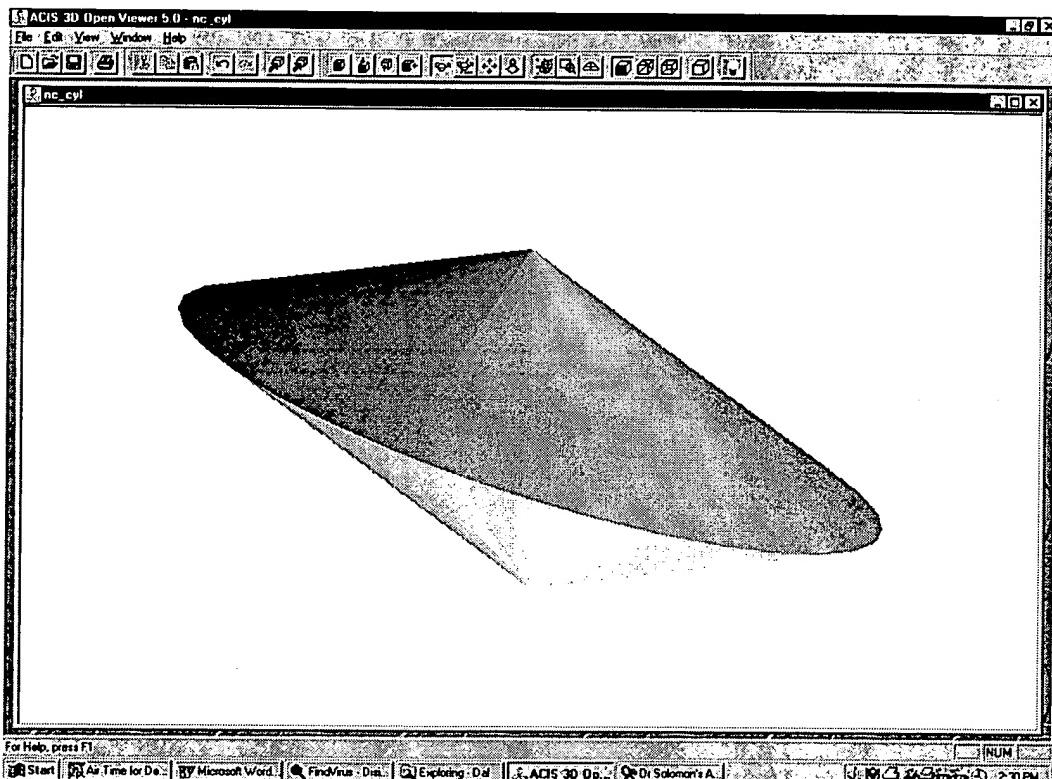


Figure 22

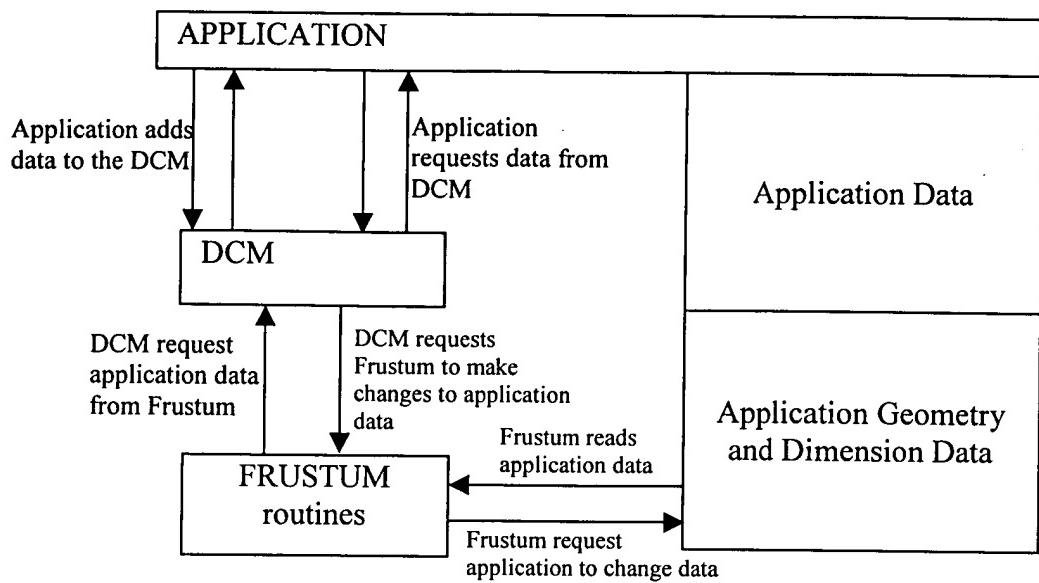


Figure 23

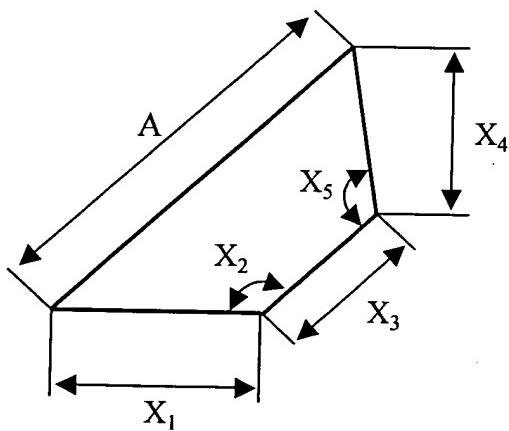


Figure 24

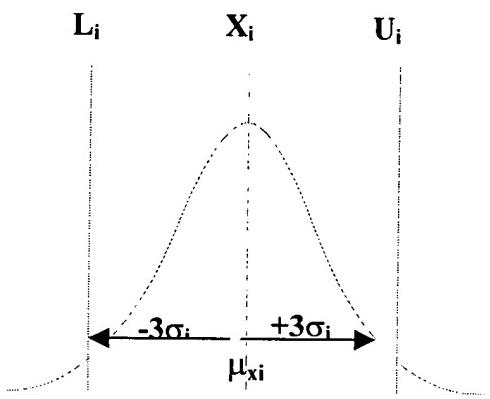


Figure 25

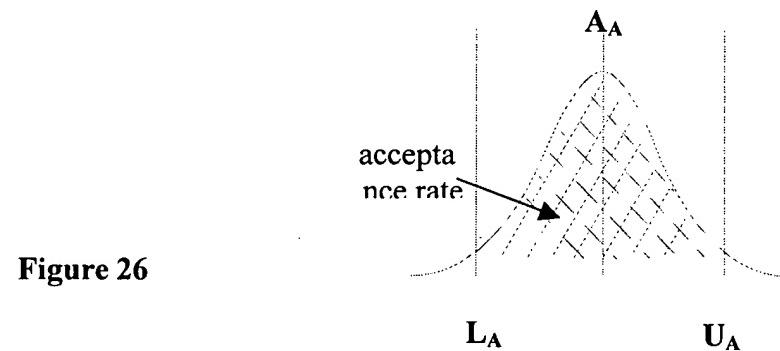


Figure 26